
ELIS Incident Report

Part A: General Information

Incident ID

1026778-001

County: Durham

Incident Date: 6/27/2014 through

Year: 2014

State: NC

Total Number:

Case #: CC14-199

Country:

Total Magnitude: 14 squirrels

Weather:

Incident Type

☐ Aqua. Animal

☒ Terr. Animal

☐ Field Study

☐ Aqua. Plant

☐ Terr. Plant

Created: #####

Updated: 4/9/2015

Abstract:

Fourteen gray squirrels have been found dead in a neighborhood of Durham County, NC. Several of the squirrels were found under bird feeders. The necropsied squirrel was found dead on June 27, 2014. Gross and toxicological findings of this gray squirrel are consistent with anticoagulant rodenticide toxicosis. Chlorophacinone was detected in the liver at 2.00 ppm and a trace amount of brodifacoum was detected.

Reports

Package #	Incident #	Source	Report Date
026778	001	Southeastern Cooperative Wildlife Disease Study	7/15/2014

ELIS Incident Report

Part B: Pesticide Information

1026778-001

County: Durham

State: NC

Date: 6/27/2014

Pesticide: Brodifacoum (112701)

Type: R

Use Site: Residential

Product:

Appl. Method:

Appl. Rate:

Formulation:

Air/Ground:

Legality: Undetermined

Certainty: Unlikely

Chlorophacinone and brodifacoum were detected in the liver at 2.00 and trace amount, respectively.
Final diagnosis: anticoagulant rodenticide toxicosis (chlorophacinone and brodifacoum identified).

Pesticide: Chlorophacinone (067707)

Type: R

Use Site: Residential

Product:

Appl. Method:

Appl. Rate:

Formulation:

Air/Ground:

Legality: Undetermined

Certainty: Highly Probable

Chlorophacinone and brodifacoum were detected in the liver at 2.00 and trace amount, respectively.
Final diagnosis: anticoagulant rodenticide toxicosis (chlorophacinone and brodifacoum identified).

ELIS Incident Report

Part C: Species Information

I026778-001

County: Durham

State: NC

Date: #####

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Species: Gray squirrel

Response: Mortality

Sci. Name: Sciurus carolinensis

Magnitude: 14

Taxon: Mammal

Habitat: Residential area

Age:

Distance: Vicinity

Rt. of Exposure: Ingestion

Necropsy

Number:

Condition:

Cholinesterase

Number:

Activity: um/g/min
Percent of Normal

Tissue Residues

Sample Type	PC Code	Pesticide	N	Conc. (ppm)
Liver	112701	Brodifacoum	1	Trace
Liver	067707	Chlorophacinone	1	2.0

ELIS Incident Report

Part D: Environmental Measurements

County:

State:

Date:

Common Name

PC Code

Degredate

Concentrations
in ppb

Water

Soil

Sediment

Foliage

Min.

Max.

N

LOD

Other Samples

Description

Concentration

N

LOD

Dissolved Oxygen (ppm)

to

pH

to
